



## Team up

YES! Expo 2005 is a unique collaboration among K-12 schools, state agencies, corporations, universities, youth organizations, professional societies, and business development organizations.



*YES! Expo 2004 speaker, former NASA astronaut Jerry Linenger*

## A national concern

“The number of engineering degrees awarded has declined sharply in the past twenty years, leveling off only recently, and many students who do enter engineering programs leave after the first year for other disciplines.”

—*American Society of Engineering Education, November 2004*



## The solution

The Michigan YES! Expo 2005 will instill in students the aspiration to pursue postsecondary education and careers in science and engineering.

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2005

Michigan  
**Y**outh  
**E**ngineering  
&  
**S**cience

EXPO™

Wednesday, October 26, 2005  
Ford Field, Detroit, Michigan



Presented by

**MichiganTech**

Michigan Technological University

[www.mtu.edu/yes](http://www.mtu.edu/yes)



## Reaching youth

The Michigan YES! Expo will bring together companies and universities from throughout Michigan to encourage middle and high school students to pursue education and careers in science and engineering.



## A challenge

The Michigan YES! Expo 2005 takes place at a pivotal time in attracting Michigan youth to science and engineering education.

According to *American Scientist*, “between 1975 and 1999, the US slipped from third to fourteenth place in the proportion of twenty-four-year-olds holding science and engineering degrees.”

Furthermore, “between 1985 and 2000, the number of baccalaureate degrees in science, technology, engineering, and math fell by 18.6 percent.”

As a result, “there are not going to be enough skilled practitioners, scientists, and educators to fill the growing number of occupations in science and engineering.”

Besides these trends, minorities and women are also vastly underrepresented in all areas of engineering and science.



## An opportunity

The Michigan YES! Expo 2005 will tackle this problem head-on by promoting and encouraging students in grades eight through twelve to choose exciting and rewarding careers in engineering and science. Increasing the number of engineers and scientists is extremely important to the future of Michigan’s industry and economy—technical literacy promotes economic advancement.

In a hands-on setting, corporate exhibitors will expose students to exciting science and engineering careers.

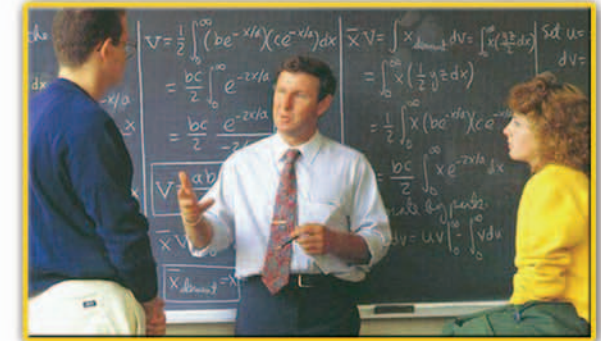
For their part, universities will showcase the educational pathways to these careers and demonstrate to students what they will be doing in college as they study science and engineering.

Additional technology-based displays and exhibits will excite and interest youth to consider careers in science and engineering.

## Education focus

The Michigan YES! Expo 2005 aligns with curriculum standards and supports:

- ▶ Career and employability skills
  - Career planning
  - Understanding systems and using technology
- ▶ Technology content
  - Evaluating and forecasting
- ▶ Science standards
  - Constructing new scientific knowledge
  - Reflecting on scientific knowledge
- ▶ Career pathways
- ▶ No Child Left Behind/Adequate Yearly Progress



## A day at Ford Field

Consider YES! Expo 2005 as a field trip for your students. For more detailed information visit [www.mtu.edu/yes](http://www.mtu.edu/yes). Please fill out the online registration form as soon as possible to aid in our planning and help us make your experience at YES! Expo 2005 more rewarding for your students.

